

REQUERIMENTO Nº DE

Senhor Presidente,

Requeiro, nos termos do art. 40 do Regimento Interno do Senado Federal, em face do que dispõe o art. 55, III, da Constituição Federal, licença para desempenhar missão no exterior, com ônus para o Senado Federal, em Estocolmo (Suécia) e Helsinque e Ouli (Finlândia), de 23/06/2023 a 01/07/2023, a fim de participar da Missão Internacional do Ministério das Comunicações, conforme os seguintes documentos anexos: Ofício nº 0555.2023-PRESID, convite e programação.

Comunico, nos termos do art. 39, I, do Regimento Interno do Senado Federal, que estarei ausente do País de 23/06/2023 a 01/07/2023, para desempenho desta missão.

Sala das Sessões, 14 de junho de 2023.

Senador Irajá
(PSD - TO)





SENADO FEDERAL
Presidência

Ofício nº 0555.2023-PRESID

Brasília, 13 de junho de 2023.

A Sua Excelência o Senhor
Senador Irajá
Senado Federal

Assunto: Autorização de viagem.
Ref.: Documento nº 00100.092132/2023-26.

Senhor Senador,

Cumprimentando-o cordialmente, autorizo a participação de Vossa Excelência, com ônus ao Senado Federal com passagens e diárias, na delegação do Ministério das Comunicação em Missão Oficial às cidades de Estocolmo, na Suécia, e Helsinque e Oulu, na Finlândia, a ser realizada no período de **25 a 30 de junho de 2023**, nos termos do Ofício nº 00138/2023/GSIRAJA e convite anexos.

Atenciosamente,


Senador Rodrigo Pacheco
Presidente do Senado Federal

Senado Federal – Presidência

Praça dos Três Poderes - Edifício Principal - 70.165-900 Brasília/DF

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Assinado eletronicamente, por Sen. Irajá

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MINISTÉRIO DAS COMUNICAÇÕES
Assessoria Especial de Assuntos Internacionais

OFÍCIO Nº 13914/2023/MCOM

Brasília, 24 de maio de 2023.

Ao Senhor
SENADOR IRAJÁ FILHO
Senado Federal
Brasília - DF

Assunto: Convite - Missão Internacional oficial à Suécia (Estocolmo) e Finlândia (Helsinque e Oulu).

Senhor Senador,

Em nome do Ministro das Comunicações, Juscelino Filho, informo e convido Vossa Excelência para compor delegação deste Ministério das Comunicações às cidades de Estocolmo (Suécia), Helsinque e Oulu (Finlândia), entre os dias 25 e 30 de junho próximo.

Na cidade de Estocolmo, o Ministro Juscelino Filho palestrará como “keynote speaker” em evento global da Ericsson na Suécia (*Broadband for All*), que ocorrerá nos dias 25, 26 e 27 de junho. Trata-se de evento com representantes de diversos governos e que contou com a participação de mais de 30 países em 2022. No dia 25 de junho, domingo, a empresa promoverá coquetel de recepção exclusiva aos participantes do evento. Enviamos em anexo o programa e informamos que a Ericsson encaminhará convite do evento para o seu gabinete.

Paralelo ao programa global, planejamos uma visita à matriz da Ericsson dedicada à delegação brasileira no dia 27 de junho, ocasião em que poderemos conhecer as principais inovações tecnológicas da empresa que é uma das maiores fornecedoras de equipamentos de telecomunicações do mundo como também discutir como ampliar a conectividade para os cidadãos brasileiros.

Do dia 28 a 30 de junho, a comitiva se deslocará para a Finlândia, onde além de manter diálogo com representantes do governo finlandês, planejamos reuniões com as empresas Nokia e a Erillisverkot - empresa que opera rede de dados e de comunicações críticas da Finlândia. Esperamos também visitar a cidade de Oulu, onde se encontra o Nokia Bell Labs - Centro de Pesquisa e Desenvolvimento em redes móveis 6G. Da mesma forma, sugerimos à Embaixada da Finlândia em Brasília o encaminhamento de convites oficiais para seu gabinete.

O retorno ao Brasil se dará no dia 1º de julho pela manhã.

Colocamo-nos à disposição para qualquer esclarecimento necessário pelos telefones: 99308.6114 (Jeferson Nacif – Assessoria Internacional) e 98161.5620 (Rafaela Calado Silva e Melo – Assessoria Parlamentar).

Atenciosamente,

RAFAELA CALADO SILVA E MELO

Chefe da Assessoria Especial de Assuntos Parlamentares e Federativos

JEFERSON FUED NACIF

Chefe da Assessoria Especial de Assuntos Internacionais



Documento assinado eletronicamente por **Jeferson Fued Nacif, Chefe da Assessoria Especial de Assuntos Internacionais**, em 25/05/2023, às 10:29 (horário oficial de Brasília), com fundamento no § 3º do art. 4º do [Decreto nº 10.543, de 13 de novembro de 2020](#).



Documento assinado eletronicamente por **Rodrigo Fernandes da Silva, Assessor Especial de Assuntos Parlamentares e Federativos substituto**, em 25/05/2023, às 13:33 (horário oficial de Brasília), com fundamento no § 3º do art. 4º do [Decreto nº 10.543, de 13 de novembro de 2020](#).

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Anexos:

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Referência: Processo nº 53115.013872/2023-10

Documento nº 10923931

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Broadband for All

- a trusted base for the digitalization of our societies

SF/23274.32196-81 (LexEdit)



Midsummer Conference

June 26-27, 2023
Stockholm

Location

Royal Swedish
Academy of
Engineering
Sciences (IVA)
Grev Turegatan 16
Stockholm

- In a 5G world where industries and societies transform, which new requirements will emerge on policies for networks and spectrum?
- Which are the key policy considerations that national governments need to prioritize to ensure the security of 5G network deployments and operations?
- What are the perspectives and best practices for successful broadband policies and regulations?
- In 2022, the conference gathered 100 Government & Regulator representatives from 30 countries on all continents.

With contributions from the following speakers



Main hall – Morning session

Monday June 26, 2023

08.00 – 08.30

Registration and morning tea - networking

08.30 – 10.30

Welcome and introduction

- Andrew Lloyd, Vice President and Head of Government & Policy Advocacy, Ericsson

Keynote: Perspectives from India

- Dr. P D Vaghela, Chairperson, TRAI, India

Keynote: Perspectives from Brazil

- Juscelino Filho, Minister, Ministry of Communication, Brazil

Keynote: Perspectives from Country

- Speaker tba

10.30 – 11.00

Coffee break - networking

11.00 – 11.25

Keynote: Technology perspectives

- Erik Ekudden, Senior Vice President & CTO, Ericsson

11.25 – 12.15

Panel debate: How will a new market structure based on open APIs influence regulation?

Is existing telecom regulation robust enough to fit in also in this new market structure, or does it need to change? Which are the main pressures for change that we can see now?

Chair: Dr. Carl Jeding, Director, Government and Industry Relations, Ericsson

- Artur Coimbra, Commissioner, ANATEL, Brazil

- Christer Boberg, Director Service Layer Technologies, Ericsson

- 4-6 speakers

12.15 – 13.30

Lunch - networking



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Main hall – Afternoon session

Monday June 26, 2023

13.30 – 15.00

Broadband for all in Sweden

- Dan Sjöblom, Director-General, PTS, Sweden

Broadband for all in Country A

- Speaker tba

Broadband for all in Country B

- Speaker tba

Cyber security presentation

- Speaker tba

15.00 – 15.30

Coffee break - networking

15.30 – 16.00

Developments in Spectrum Management for Communication Services

- Verena Weber, Head of the Communication Infrastructures and Services (CISP) Unit, OECD

16.00 – 17.00

Panel debate:

Searching for Spectrum – 5G, 5G Advanced, 6G and satellite

- The future of 5G – spectrum limitations for commercial and enterprise use cases
- Spectrum for 6G – thinking ahead for timely availability
- Spectrum sharing – a substantial enabler, wishful thinking or something in-between?

Chair: Sverker Magnusson, Head of Spectrum & Technology regulations, Ericsson

- Eric Fournier, RSPG Chair and Director for Spectrum Planning and International Affairs, ANFR, France
- 4-6 panelists

17.00 – 17.10

Concluding remarks

- Andrew Lloyd, Vice President Government & Policy Advocacy, Ericsson



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Informal interagency security dialogue

Monday June 26, 2023

Location

Royal Swedish
Academy of
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Sciences (IVA)
Grev Turegatan 16
Stockholm

This is a session uniquely tailored for invited official guests attending the BB4ALL 2023 to discuss and exchange experiences on cybersecurity topics including, 6G security, security of submarine cables from the perspective of strategic autonomy, national security and high-risk suppliers.

Host: Henrik Christiansson, Head of unit for protective security (protection of national security) at The Swedish Post and Telecom Authority (PTS)

Confirm attendance to: BB4Asecurity@pts.se

Room:
Wingqvist, F2
16.00 – 17.00

PTS Contacts for further information:

James Christie
Strategic Advisor Cybersecurity
Swedish Post and Telecom Authority (PTS)
Department for Secure Communications
E-mail: james.christie@pts.se

Ola Bergström
Director for International Affairs
Swedish Post and Telecom Authority (PTS)
International Affairs
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Program – Day 2

Tuesday June 27, 2023

We are pleased to offer several activities that you can select from to match your interests and thereby ensure maximum value of your visit to Stockholm. On request we can also arrange for other meetings to respond to specific needs.

Your individual program will be created based on your choice of activities:

- Bilateral meeting with the **Swedish Regulator PTS**
- Multi-party dialogue with Ericsson about the **ITU leading up to the WRC-23**
- Bilateral meetings with **Ericsson experts** in the fields of spectrum and technology
- A **Technology briefing** including technology demonstrations
- A lunch presentation about **5G for Autonomous Shipping** Port of Livorno
- A **PTS Spectrum seminar** on spectrum
- Seminars, demonstrations, roundtable and bilateral meetings on **5G Security**

Bilateral meetings

11.00 – 17.00 PTS bilateral meeting – regulations (general) – 40 min
PTS Headquarter - Dan Sjöblom, Director-General, PTS

08.00 – 09.00 Multi-part dialogue about the ITU study period leading up to the
Room: WRC-23
Nanjing - Sverker Magnusson, Head of Spectrum & Technology Regulation,
 Ericsson
 - Dr. Håkan Ohlsén, Director, Standards & Industry - APAC, Ericsson

09.00 – 12.00 PTS bilateral meeting – regulations (spectrum) – 40 min
Room: - Jonas Wessel, Director of Spectrum Department, PTS
Lewisville - Anna Beckius, Head of Spectrum Analysis Unit, PTS

09.00 – 17.00 Bilateral meeting – Spectrum & technologies – 40 min
Room: - Sverker Magnusson, Head of Spectrum & Technology Regulation,
Nanjing Ericsson

12.00 – 13.00 Lunch is served at the Ericsson Imagine Studio – Open Box

PTS HQ

Hälsingegatan 38
Stockholm City

Ericsson

Ericsson Imagine
Studio
Gröndalsgatan 8
Kista, Stockholm



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Technology briefing

Tuesday June 27, 2023

Ericsson

Ericsson Imagine
Studio

Grönländsgatan 8
Kista, Stockholm

6G will build on the strengths of 5G, but it will also provide entirely new technology solutions. Around 2030 is a reasonable time frame to expect the very first 6G networks to appear.

By that time, society will have been shaped by 5G for 10 years, with lessons having been learned from 5G deployment, and new needs and services appearing. Even with the built-in flexibility of 5G, we will see a need for expanding into new capabilities. This calls for further evolution – following the pull from society's needs and the push from more advanced technological tools becoming available – that must be addressed for the 6G era when it comes.

5G New Radio and 5G Core evolution is continuing in 3GPP toward 5G Advanced, to ensure the success of 5G systems globally and to expand the usage of 3GPP technology by supporting different use cases and verticals. Artificial Intelligence/Machine Learning will play an important role in 5G Advanced systems, in addition to other technology components, to provide support for advanced digitalization, extended reality, and network energy efficiency.

This briefing will address the latest developments in research and the evolution of networks to meet the future requirements on user services and network efficiencies.

Room:
Studio
Auditorium
09.00 – 12.00

08.30 – 09.00	Registration and morning tea
09.00 – 09.10	Welcome and introduction - Mikael Halén, Director, Government & Policy Advocacy, Ericsson
09.10 – 09.40	6G Research and standardization update - Patrik Persson, 6G Program Director, Ericsson Research
09.40 – 10.10	Artificial Intelligence in mobile infrastructure - Caroline Jacobson, Head of system management, Global AI Accelerator, Ericsson
10.10 – 10.30	Coffee break and networking
10.30 – 11.00	Open APIs for advanced digitalization - Christer Boberg, Director, Service Layer Technologies, Ericsson
11.00 – 12.00	Technology demonstrations
12.00 – 13.00	Lunch is served at the Ericsson Imagine Studio – Open Box



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Lunch presentation

Tuesday June 27, 2023

Ericsson

Ericsson Imagine
Studio
Grönlandsgatan 8
Kista, Stockholm

5G for Autonomous Shipping: highlights, concerns, prospects

This speech will discuss the challenge of Maritime Autonomous Surface Ships in port waters; upcoming MASS regulations by IMO; plans of 5G covering the landside and the seaways in Smart Ports; what role will forthcoming integration of terrestrial and non-terrestrial networks play in the vertical of unmanned shipping; the experience (being) gathered at the Port of Livorno

Speaker: Paolo Pagano, Director of CNIT Laboratory, Port of Livorno, Italy

Room:
Open Box

12.15 – 12.45



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PTS Spectrum seminar

Tuesday June 27, 2023

Sweden is one of the leading countries when it comes to progressive spectrum management. The Swedish market is in many regards unique even though it shares many regulatory challenges with the rest of the world. The Radio Spectrum Policy Group (RSPG) is the key EU advisor consisting of the relevant authorities from all 27 EU member states.

Spectrum management is in many ways a truly global issue. In the run-up to WRC23, PTS will share the latest news and information on what is happening on EU and national level when it comes to spectrum.

There will also be time for a Q&A session.

13.00 – 13.30	Jonas Wessel, Director of Spectrum Department, Swedish Post and Telecom Authority, PTS
13.30 – 14.00	Anna Beckius, Head of Spectrum Analysis Unit, Swedish Post and Telecom Authority, PTS
14.00 – 14.30	Q&A and discussion

Ericsson

Ericsson Imagine
Studio
Grönlandsgatan 8
Kista, Stockholm

Room:
Open Box

13.00 – 14.30



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Seminars:

Security – Main track

Tuesday June 27, 2023

Advances in connectivity such as through the deployment of 5G create extended opportunities for digitization of all sectors of economy and public sector services and utilities. To harness this development security needs to be an integral part of the digitization process. Cyber security is multi faceted, including research, standards, secure product development, deployment and operations. It also encompasses people, culture and process.

Ericsson has adopted a [holistic](#) approach to security that is centered on securing deployed networks with the aim to safeguard the end-users as well as to protect network assets. Security seminars at BB4All 2023 provide a unique opportunity to interact with some of Ericsson's key security experts and to inspire exchange of views and experiences between all participants.

Moderator: Rene Summer, Director, Government & Policy Advocacy

Session 1: 09.00 - 09.40

5G – built secure with defense in depth

Speakers: Mikko Karikyö, Head of Product Security & CPSO, Ericsson

Session 2: 09.50 -10.20

Security of deployed networks

Speaker: Mikko Karikyö, Head of Product Security & CPSO, Ericsson

Session 3: 10.30 -11.00

Vulnerability management

Speaker: Umair Bukhari, Head of PSIRT, Ericsson

Session 4: 13.00 -13.40

Security operation automation

Speaker: Bodil Josefsson, Business Manager Security Solutions, Ericsson

Session 5: 13.50 -14.30

Open RAN security

Speakers: Jason Boswell, Head of End-to-End Security, Ericsson North America
Joakim Jardal, Strategic Product Manager, Cloud RAN, Ericsson

Session 6: 14.40 -15.20

5G readiness for zero trust architecture and evolution

Speakers: Patrik Teppo, Senior Expert Security Architecture, Ericsson

Session 7: 15.30 -16.10

Open API & 5G Network security

Speaker: Ben Smeets, Senior Expert Security, Ericsson

Session 8: 16.20 -17.00

Confidential software security assurance

Speaker: Luis Barriga, Principal Researcher Security, Ericsson

Ericsson

Ericsson Imagine
Studio
Grönländsgatan 8
Kista, Stockholm

Room:
Melbourne
09.00 – 11.00

Room:
Melbourne
13.00 – 17.00



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Security – Demonstrations

Tuesday June 27, 2023

Security demonstrations: 11.00 -12.00, Demonstration floor

Ericsson

Ericsson Imagine
Studio

Grönländsgatan 8
Kista, Stockholm

Room:
Demo floor
11.00 – 12.00

#1 Introduction to Secure and Resilient 5G Systems

The world is undergoing a digital transformation, adopting advanced technologies through 5G, relying on predictable performance and security assurance of business, society and mission critical processes. 5G is, by design, is more secure than previous generations, but it is being deployed and operated in an evolving and complex threat landscape. New, demanding use cases served by telecom networks will increase attack motivations and attack vectors. These factors are exponentially increasing the need to protect networks.

Explore why resilience and security are critical for current and future high performing networks. Learn why a holistic security approach is needed and what Ericsson is doing at each layer in the security stack through standardization, development, deployment, and operations to help you reimagine the value of digital.

Host: Andreas Blank, Customer Security Director, Ericsson

#2 Security Automation Center

The general perception that 5G is secure, is very true at product level but what communication service providers (CSP) start to realize is, that once they deploy and operationalize network assets, they are on their own in an ecosystem that is constantly evolving and challenged by an increasing number of threats and vulnerabilities.

Join us to explore how a network is designed, deployed and operated by showcasing typical scenarios in a security operations center environment. We show Ericsson Security Manager, an intelligent security management solution that will improve the security posture, lower monitoring, engineering, and incident management costs, as well as providing a CSP business opportunity.

Host: Bodil Josefsson, Business Manager Security Solutions, Ericsson

#3 Secure and Resilient RAN

With 5G becoming the fastest-evolving mobile generation, there is also an alarming increase in the number of cyber threats, attacks, and vulnerabilities. Today, our Communications Service Providers (CSP) need secure solutions more than anything else.

Join us as we take you through a city under cyber-attack and demonstrate Ericsson's robust RAN security solution, including live demos and a digital demo, that offer you four strong security features. It is a quick and precise solution that detects and protects you against malicious attacks.

Hosts: Anna Kåhre, BNEW Product Security Director, Ericsson

Prajwol Kumar Nakarmi, Strategic Product Manager RAN Security, Ericsson



Security – Parallel sessions

Tuesday June 27, 2023

Roundtable: 11.20 - 12.20

EU 5G Certification

The round table will discuss views on the upcoming EU5G certification scheme for network infrastructure products from EU Member States' perspective. To enhance the framework on 5G cybersecurity and secure 5G deployment in the European Union, the European Commission requested ENISA to develop a candidate European cybersecurity certification scheme for 5G networks (EU 5G scheme). European Cybersecurity Certification Scheme for 5G is being developed by ENISA, with industry experts gathered under an Ad-Hoc Working Group with the EU Commission and Member States. A first draft scheme should be available for public consultation around mid-2023.

Host: Patrik Palm, Head of Frameworks, Product Security, Ericsson

- Jerker Berglund, Telecom expert, PTS
- Additional panel participants tba

Lunch: 12.00 - 13.00

Bilateral sessions with experts, 30 minutes per session between 13.00 -15.30

#1 5G RAN – One software track security benefits for deployed networks

Host: Anna Kåhre, Product Security Director, Ericsson

#2 3GPP / SA3 Security

Host: Helena Flygare, Master researcher Platform security, Ericsson

#3 Migration to quantum resistant algorithms in mobile networks

Host: John Mattsson, Expert Crypto Algorithms & Security Protocols, Ericsson

Ericsson

Ericsson Imagine
Studio
Grönlandsgatan 8
Kista, Stockholm

Room:
Melbourne
11.20 – 12.20

Room:
Open Box
12.00 – 13.00

Rooms:

Melbourne
Break-out room:
- One: #1
- Two: #2

Nanjing: #3

13.00 – 15.30



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The program is arranged by Ericsson